

HOLOBUT, Wieslaw; KOLATAJ, Adam

Polarographic determination of cysteine during heart perfusion in frogs. Acta physiol pol 12 no.1:73-80 '61.

1. Z Zakladu Fizjologii Czlowieka A.M. w Lublinie Kierownik: prof. dr W. Holobut. (HEART physiol) (PERFUSION) (CYSTEINE metab)

KOLATAJ, Adam

Need of physiological research on heterosis in animals.
Kosmos biol 12 no.3:249-255 '63.

KOLATAJ, Adam

Certain physiological properties of sulphydryl compounds. Kosmos
biol 12 no.5:433-448 '63.

KOLATAJ, Adam

Electrophoretic studies on the hemoglobin in chicks with
special reference to heterosis. Acta physiol. pol. 14 no.1:
127-133 '63.

1. Z Katedry Ogolnej Hodowli Zwierząt WSR w Lublinie Kierownik:
prof. dr L. Kaufman Z Zakładu Fizjologii Zwierząt U.M.C.S. w
Lublinie Kierownik: prof. dr W. Holobut.
(HYBRIDIZATION) (HEMOGLOBINOMETRY)
(BLOOD PROTEIN ELECTROPHORESIS)

KOLATAJ, Ewyta

Defensive mechanisms in plants. Pt. II. Kosmos biol 10 no.5:455-461
'61.

1. Zaklad Mikrobiologii Ogolnej, Uniwersytet Marii Curie-Sklodowskiej,
Lublin.

(Plants)

KOLATAJ, Edyta

Hemagglutinins in Lupinus luteus. Acta microbiol. pol. 11 no.4:
335-340 '62.

1. Z Katedry Mikrobiologii Uniwersytetu Marii Curie-Sklodowskiej w
Lublinie.

(ANTIBODIES) (HEMAGGLUTINATION) (PLANTS)

KOLATY, Miklos, dr.; BACKHOUSZ, Richard, dr.; SZABO, Lajos, dr.;
BATORY, Gabriela, dr.; NAGY, Maria, dr.

Isolated beta-2-alpha-globulin deficiency in a case of par-
tial antibody deficiency. Ory, hetil. 105 no.21:989-990
24 My'64

1. Szegedi Ornoshudomanyi Egyetem, Gyermekklinika es Human
Oltoanyagtermelo es Kutato Intezet.

*

KOLATOVA, A.I.; OMUROV, I.O.

Data on a study of the stimulation of healing of cutaneous wounds
under experimental conditions. Biul.eksp.biol.i med. 37 no.3:
54-57 Mr '54. (MLRA 7:6)

1. Iz kafedry gistolologii, (zav. prof. A.A.Braun) Kirigisskogo medi-
tsinskogo instituta, Tashkent.

(WOUNDS AND INJURIES, experimental,
*skin, healing stimulation)

(SKIN, wounds and injuries,
*exper., healing stimulation)

KARPINSKIY, V.I., kand. tekhn. nauk; DUDCHENKO, N.P., inzh.;
VASILEV, Nikolay, inzh.; KOLAYDZHITSKIY, Stoyan, inzh.

Using centrifuges for making shells with longitudinal
prestressed reinforcement. Transp. stroi. 15 no.11:53-55
N '65. (MIRA 18:11)

1. Ministerstvo transportnogo stroitel'stva SSSR (for Karpinskiy,
Dudchenko). 2. Ministerstvo transporta Narodnoy Respubliki
Bolgarii (for Vasilev, Kolaydzhitskiy).

SURA, V.V.; KOLAYEV, V.A.; KOVALEVSKIY, G.V.

Experimental reproduction of some clinicomorphological manifestations of systemic lupus erythematosus; preliminary report. Sov. med. 27 no.2:42-49 F '64. (MIRA 17:10)

1. Klinicheskiy otdel (zav. - prof. Ye.N. Meshalkin) i laboratoriya patomorfologii (zav. - dotsent Yu.G. TSELLARIUS) Instituta eksperimental'noy biologii i meditsiny (IEBiM) Sibirskogo otdeleniya AN SSSR i kafedra gospital'noy terapii (zav. - prof. A.A. Demin) Novosibirskogo meditsinskogo instituta.

FUKS, B. B.; KONSTANTINOVA, I. V.; KOLAYEVA, S. G.; TSYGANKOV, A. P.; SHUL'GA, V.A.
KRASS, P. M. MAKSIMOVSKIY, L. F.

"Anti-BSA formation initiated in vivo and in vitro by ribonucleic acid from lymph nodes and spleen of immunized rabbits (histochemical, biochemical and immunological investigation)."

report submitted for 2nd Intl Cong, Histochemistry & Cytochemistry, Frankfurt,
16-21 Aug 64.

Moscow.

Dept of Experimental Biology, Inst of Cytology & Genetics, AS USSR, Novosibirsk
72.

KOLAYEVA, S. G., FUKS, B. B.

"The Histochemistry of Proteins During Growth Changes and the Regeneration of the Connective Tissue of the Skin and Aorta in Humans and Animals."

report submitted for the First Conference on the problems of Cyto and Histochemistry, Moscow, 19-21 Dec 1960.

Laboratory of Histochemistry, Division of Experimental Biology and Pathology of the Institute of Experimental Biology and Medicine, Siberian Division, Academy of Sciences USSR, Novosibirsk.

KOLAYEVA, S.G.

Materials on the histochemistry of age-related changes in the connective tissue. Vop. pat. i reg. org. krov. i dykh. no.1:165-170 '61. (MIRA 18:7)

KOLAYEVA, S.G.

Study of the isoelectric zones of cytoplasmic proteins in
fibroblasts. TSitologija no.1: 101-103 Ja-F'63.

(MIRA 16:6)

1. Laboratoriya gistoхимии Instituta eksperimental'noy bio-
logii i meditsiny Sibirskogo otdeleniya AN SSSR, Novosibirsk.
(FIBROBLASTS) (PROTEINS)

KOLAYEVA, S.G.

Histochemical study of the proteins of precollagenous fibers in
regenerating connective tissue. Biul.eksp.biol.i med. 54 no.11:
98-101 N '62. (MIRA 15:12)

1. Iz laboratorii gistokhimii (zav. - doktor med.nauk B.B.Fuks)
Instituta eksperimental'noy biologii i meditsiny (dir. - prof.
Ye.N.Meshalkin) AN SSSR, Novosibirsk. Predstavlena deystrivel'nym
chlenom AMN SSSR V.V.Parinym.
(PROTEINS) (CONNECTIVE TISSUES) (COLLAGEN)

FUKS, B.B., KONSTANTINOVA, I.V.; STEFANOVICH, L.Ye.; LUK'YANOVA, I.G.;
TSYGANKOV, L.I.; KOLAYEVA, S.G.; KRASS, I.M.; VAN'KO, L.V.

Specific biosynthesis of antibodies induced by ribonucleic acid from
the lymphatic nodes and spleen of immune rabbits. Dokl. AN SSSR 153
no.2:485-488 N '63. (MIRA 16:12)

1. Institut tsitologii i genetiki Sibirskogo otdeleniya AN SSSR.
Predstavлено академиком A.N.Belozerskim.

KOLB, Jozsef

Experiences with the application of rules governing the activities
of artistic ensembles. Munka 10 no.3:19 Mr '60.

1. Szakszervezetek Orszagos Tanacsra kulturalis osztalyanak
munkatarsa.

KOLB, Jozsef

Artiatic ensembles in Hajdu-Bihar County. Mumka 10 no.4:15 Ap '60.

1. Szakszervezetek Orszagos Tanacsa kulturalis osztalyanak
munkatarsa.

KOLB, Jozsef

After the festivals. Munka_11 no.10:14..15 0 '61.

1. Szakszervezetek Orszagos Tanacsra kulturalis osztalyanak
munkatarsa.

KOLB, Jozsef

Literary programs and the country workmen's homes. Munka 11 no.2:
14-15 F '61.

1. Szakszervezetek Orszagos Tanacsa kulturalis osztalyanak munkatarsa.

(Hungary--Labor and laboring classes)
(Hungary--Intellectual life)

KOLLAR, Endre; KOLB, Jozsef

Liszt and Bartok. Munka 11 no.4:20-21 Ap '61.

1. Zeneműveszek szakszervezete főmunkatársa (for Kollar) 2. Szakszervezetek Országos Tanacsai kulturális osztályának munkatársa (for Kolb).

(Liszt, Franz) (Bartok, Bela) (Composers, Hungarian)

KOLB, L.

Kolb, L.

"The graph helps prevent accidents." p. 12.
(Auto Motor. Vol. 6, no. 12, June 1953, Budapest.)

SO: Monthly List of East European Acquisitions, Vol. 2, No. 9, Library of Congress, September 1953, Uncl.

KOLB, L.

Bases and possibilities of shell molding.

p. 11 (TEZHKA PROMISHLENOST) Vol. 6, no. 7, July 1957,
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

KOLB, M.

Observations concerning field medical services. p. 208.

REVISTA MINELOR

Vol. 7, no. 5; May 1956

Rumania

Source: EAST EUROPEAN LISTS Vol. 5, no. 10 Oct. 1956

KOLB, M.

Some observations on examinations for the grades of captain and major in the medical corps. p. 214.

REVISTA MINELOR

Vol. 7, no. 5, May 1956

Rumania

Source: EAST EUROPEAN LISTS Vol. 5, no. 10 Oct. 1956

KOLE, Martin, dr., pukovnik

Various observations on the medical service in the army. Voj.
san. pregl., Beogr. 11 no.5-6:208-210 May-June 54.
(MEDICINE, MILITARY AND NAVAL
in Yugosl.)

KOLB, Martin, dr. pučovnik

Some observations on taking the examination for captain and major in the medical service. Voj. san. pregl., Beogr. 11 no.5-6:214-217 May-June 54.

1. Ispitna komisija za cin kapetana i majora san. službe.
(MEDICINE, MILITARY AND NAVAL
in Yugosl., exam. for. captain & major in med.serv.)
(ARMED FORCES PERSONNEL
exam. for captain & major in med. serv. in Yugosl.)

KOLB, V.G.

Evaluation of the reactivity of the skin determined by the tests of
electrometry, Groer, and Kavetskii. Zdrav. Belor. 4 no.2:30-34 F
'58. (MIRA 13:8)

1. Iz kafedry biokhimii (zaveduyushchiy - professor M.F. Mereshinskiy)
Minskogo meditsinskogo instituta.
(SKIN)

KOLB, V. G., Cand Med Sci (diss) -- "Investigation of the physico-chemical properties and reactivity of the skin". Minsk, 1959. 18 pp (Minsk State Med Inst), 150 copies (KL, No 10, 1960, 136)

KOLB, V.G.

Test of the typological character of skin reactivity by the
electrometric method (electropathergometry). Zdrav. Delo, 5
no.6:45-48 Je '59. (MIRA 12:9)

1. Iz kafedry biokhimii (zaveduyushchiy - prof. M.P. Mereshinskij)
i kafedry obshchey khimii (zaveduyushchiy - dotsent V.A. Bandarin)
Minskogo meditsinskogo instituta.
(SKIN) (ELECTRIC MEASUREMENTS)

KOLB, V.G.

Intravital investigation of the physical and chemical characteristics of the skin by means of moistening with liquids of varying polarity (adhesiometry). Zdrav. Belor. 5 no.10:48-52 O '59. (MIRA 13:2)

1. Is kafedry biokhimii (zaveduyushchiy - prof. M.P. Meroshinskii)
1 kafedry obshchey khimii (zaveduyushchiy - dotsent V.A. Bandarin)
Minskogo meditsinskogo instituta.
(SKIN)

KOLB, V. G. (USSR)

"New Biophysical Methods for Examination of Skin."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

KOLB, V. G.; KUKHTA, V. K.

Activity of hyaluronidase and antihyaluronidase in the blood
in pulmonary tuberculosis. Probl. tub. 40 no.5:83-87 '62.
(MIRA 15:7)

1. Iz biokhimicheskogo otdela (zav. - kandidat meditsinskikh
nauk V. G. Kolb) Belorusskogo nauchno-issledovatel'skogo insti-
tuta tuberkuleza i kafedry obshchey khimii (zav. - dotsent
V. A. Bandarin) Minskogo meditsinskogo instituta.

(TUBERCULOSIS) (HYALURONIDASE)
(ANTIHYALURONIDASE)

FIRSOVA, L.P., kand.med.nauk; KOLE, V.G., kand.med.nauk

Frequency and importance of doubtful tuberculin reactions.
Zdrav.Bel. 8 no.12:11-13 D '62. (MIRA 16:1)

1. Iz Belorusskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kand.med.nauk M.N.Lomako).
(TUBERCULIN TESTING)

KOLBA, Vilmos, dr.

Sport injuries of the maxillary sinus and cheek bones.
Fulorrgégegyogyaszat. 9 no. 21'73-81 Je '63.

1. Az Orszagos Testnevelesi es Sportegeszsegugyi Intezet
(Budapest) Ful-orr-gegeosztalyunk (foorvos: Kolba Vilmos dr.)
kozlemeine.

(FACIAL INJURIES) (FRACTURES) (ZIGOMA) (MAXILLARY SINUS)
(HEMATOMA) (SPORT MEDICINE)

YEGORUSHKIN, Vasiliy Yegorevich; KOLB, Vitaliy L'vovich; STEPURE,
Mikhail Aleksandrovich; TSEPILOVICH, Benjamin Isaakovich;
NEKHAY, V.T., red.; MORGUNOVA, G.M., zekhn, red.

[Mechanical engineering] Mashinovedenie. Minsk, Izd-vo
M-va vysshego, srednego spetsial'nogo i professional'nogo
obrazovaniia BSSR, 1963. 554 p. (MIRA 16:9)
(Mechanical engineering)

KOLBA, M.

When the expert is quizzed. p. 29.
(MASZAKI ELET. No. 4, Feb. 1955. Budapest.)

SO: Monthly List of East European Accession. (EEAL). Lc. Vol 4 Nov. 11 Nov. 1955 Unc1.

KASSAY, Dezsö, dr.,; KOLBA, Vilmos, dr.

Surgery of mucocoeles in the paranasal sinuses, with retention of the mucous membrane, Orv. hetil. '96 no.41;1140-1142 9 Oct 55.

1. A Budapesti Orvostudományi Egyetem II. sz. Sebészeti Klinikájának (igazgató: Rubányi Pál dr. egyet. tanár) köxlemeze.
(PARANASAL SINUSES
mucocoele, surg. with retention of mucous membrane.)

KOLBABA, Jaroslav, inz.

Graphic chart of the collective operation of a blast furnace during a day. Prace mzda 11 no.10:451-455 0'63.

1. Nova hut Klementa Gottwalda, Ostrava - Kuncice.

KOLBABA, Jaroslav, inz.

Investigation of the use of cranes in rolling mills by means
of the production organization analysis. Prace mzda 12 no.11:
498-504 N '64.

KOLBABA, Jaroslav, inz.; SRAMEK, Miroslav

Processing the record of a workday by an automatic computer.
Prace mzda 13 no.2:58-64 F '65.

1. Nova hut Klementa Gottwalda National Enterprise, Ostrava-Kuncice.

L 7674-66 EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(1)/EWA(c) JD/W
ACC NR: AP6001278 SOURCE: CODE: CZ/0057/65/000/002/0074/0078

AUTHOR: Kolbaba, Jaroslav (Engineer) 29

ORG: NHKG, Ostrava B

TITLE: Method of Koval'jev at the rolling mill of NHKG

SOURCE: Kutilik, no. 2, 1965, 74-78

TOPIC TAGS: rolling mill, metal rolling, industrial production

ABSTRACT: Koval'jev's method allows an increase in the production of a rolling mill without expensive investments. A thorough analysis of the working method, and other intensifications of the rolling processes are discussed. An overall increase of production of 12% should result from the introduction of Koval'jev's method. Duties of operators are discussed. Rolling of two ingots in tandem is evaluated. The importance of electric drives for trouble-free operation is discussed. Increase in the weight of ingots, and of their diameters, for increasing the production rate in the rolling mill is evaluated. Orig. art. has: 2 figures, 4 tables. [JPRS]

SUB CODE: 13, 14 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 171

L 20819-66 EXP(c)/EXP(f)/EXP(t)/EXP(h)/EXP(l) JD
ACC NR: AP6012015

SOURCE CODE: CZ/0057/65/000/004/0158/0163

AUTHOR: Kolbaba, Jaroslav (Engineer) 18

ORG: NEIKG, Ostrava 14 B 16

TITLE: Determination of the normal number of operators at a blast furnace hearth

SOURCE: Hutnik, no. 4, 1965, 158-163

TOPIC TAGS: blast furnace, slag

ABSTRACT: The hearth operators are supposed to do the following work: tap the iron flow, stop the tapping, service the hearth during slag tapping, control the operation of the furnace, and the cooling system, service the slag runners, do the maintenance operation of the fittings of the furnace, and maintain the place clean. The most important factors they have to see to are: sufficient fuel gas pressure, to supply the required amount of blast air, and maintain its required pressure. The normal number at present is 6. The author studied their activity, and found that they were performing necessary duties for 85% of their shift. The only possible economy he suggests is the removing of the casting crane operator; at present he services 2 furnaces, but spends only 130-150 minutes at each. As the 6 men are now free for 435 minutes each shift, they could assume this task. Orig. art. has: 1 figure and 6 tables. [JPRG]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 001

Card 1/1 100

KOLBAH, D.; FILIPOVIC, I.

Book reviews. Croat chem acta 35 no.3:255 '63.

1. Clan Redakcionog odbora, "Croatica Chemica Acta" (for Filipovic).

Kalbati Dragutin

VUGO.

Kalbati Dragutin: Priručnik za korišćenje sa logaritmima.

Zagreb: 1951. 439 pp.

Kalbati Dragutin: Handbook for Calculators, with Logarithms.

Zagreb: Technical Books. 1951. 439 pp.

Chem
Educ

PM/pt

YUGOSLAVIA/organic Chemistry. Synthetic Organic Chemistry.

0-2

Abs Jour: Ref Zhur-Khim, No 13, 1958, 43348.

Author : Kolbah Dragutin, Rill Margita, Cerkovnikov Eugen.

Inst : ~~4-(Beta-Dimethylamino-Ethyl)-Tetrahydropyran.~~
Title : 4-(Beta-Dimethylamino-Ethyl)-Tetrahydropyran.

Orig Pub: Acta pharmac. jugosl., 1956, 6, No 2, 65-67.

Abstract: By the action of PBr_3 on 4-(beta-hydroxy-ethyl)-tetrahydropyran in the presence of $\text{C}_5\text{H}_5\text{N}$ (48 hours, about 20°) was obtained 4-(beta-bromethyl)-tetrahydropyran, yield 77%, bp $102^\circ/13$ mm, by the heating of which (16 hours, 130°) with $\text{NH}_2(\text{CH}_3)_2$ in absolute alcohol was synthesized 4-(beta-dimethylamino-ethyl)-tetrahydropyran, yield 77%, bp $80-82^\circ/12$ mm, which on boiling with a

Card : 1/2

Kolb A H, D

Distr: 4E2a(j)

Apparatus for oxidation of lower alcohols to aldehydes in the vapor phase. M. Kolb, M. Mirkov, I. Smokvina, and D. Vlahic, *Kem. i teh.* (Zagreb) 8, 182-3 (1959). A new app. was designed for the prepn. of aldehydes from lower alcohols by oxida. with Na dichromate and H_2SO_4 . A 10-l. stainless-steel kettle in an oil bath was fitted with a 6 cm. diam., 80-cm.-long glass column packed with Raschig rings and topped by a 10-cm.-diam. glass reaction sphere also packed with the same rings. A cooled Hahn column and 2 H_2O -cooled reflux condensers completed the take-off part. The feeds entered a T-piece on the reaction sphere from 2 funnels fitted with U bends. Yields exceeding those described in the literature were obtained for the propargyl- (67.6-87.7), butyr- (82-88.8), isobutyry- (48.5-72), and ethoxyacetaldehydes (71.5%). Lower yields resulted for the prepn. of acrolein from allyl alcohol, and valer- and iso-valeraldehydes from amyl and isomethyl alcohols, resp.

Andrew L. Gochowski

6
Jag (W2)

KOLBAH, D.

Preparation of a sulfuric acid ester of bis-(2-chloroethyl) amine.
Bul so Young 9 no.3:65 Je '64.

1. Institute of Organic Chemistry, Pharmaceutical and Biochemical
Faculty, University of Zagreb, Zagreb.

KOLBAY, K.

"In the Fight for Better Wheat Production Next Year" p.239 (Agrartudomány
Vol. 5, No. 10, Oct. 1953, Budapest)

East European Vol. 3, No. 3
SO: Monthly List of Hungarian Accessions, Library of Congress, March 1954, 1955, 1956, Uncol.

KCLBAI, K.

Viewpoints of scientific agriculture in afforestation for protecting fields. p. 73, (AZ ERDO, Budapest, Hungary), Vol. 3, No. 3, Apr. 1954.

EO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

KOLBAI, K.

"Manuring Autumn Wheat Grains on the Surface of the Soil", P. 5,
Agrartudomany, Vol. 6, No. 1, Jan/Feb. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncol.

KOLBAI, K.

"This Year Soil Moisture Is Increasingly Precious", P. 61, (AGRARTUDOMANY,
Vol. 6, No. 3, Mar. 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

KOLBAI, K.

AGRICULTURE

PERIODICAL: MAGYAR MEZOGAZDASAG, Vol. 10, no. 21, Nov. 1955.

Kolbai, K. Current questions of maize growing; the double-spaced maize growing in Godollo, a noteworthy experiment. p. 3.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

KOLBAI, K.

KOLBAI, K. Double-rowed maize production at Godollo. p. 149.

Vol. 8, no. 4, Apr. 1956

AGRARTUDOMANY

AGRICULTURE

Budapest, Hungary

So: East European Accession, Vol. 6, No. 5, May 1957

KOLBAI, K., and others.

What kind of fodder plant and plant mixtures should we produce? p. 430
(Magyar Mesogazdasag. Vol. 9, no. 4, 1956, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Unclassified.

KOLBAI, K.; MARKUS, J.; MIHALYI, L.

What kind of silos should we build? p. 443
(Magyar Mezogazdasag. Vol. 9, no. 4, 1956. Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

KOLBAI, K.; CSUKAS, Z.

How to ensile? p. 443
(Magyar Mesogdasaag. Vol. 9, no. 4, 1956. Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

KOLBAI, K., AND OTHERS.

Significance of the cattle turnip. p. 446.
(MAGYAR MEZOGAZDASAG. Vol. 9, no. 4, 1956. Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957. Uncl.

KOLBAI, K.

We answer professional questions. p. 3. (Magyar Mezogazdasag, Vol. 11, no. 1, Jan. 1956
Budapest)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

USSR/Cultivated Plants, Grains.

M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68111

Author : Kolbay, Karoly

Inst : Hungarian University of Agrarian Sciences.

Title : The Godollo Ribbon Method of Cultivating

Corn: etc. In open fields and in the

Orig Pub : Mezhdunar. is.-kh. zh., 1957, No 2, 71-78

Abstract : The Godollo method of cultivating crops (data of the University of Agrarian Sciences, Hungary) sows the crops in ribbons of two or more rows. The rows can be continuous or can consist of separate nests. In regions where corn is grown by the square-nest method, 85 x 85 cm, leaving 2 plants in each nest, the distance between ribbons of two rows each should be

Card : 1/2

Properties of the materials used for granulating superphosphates. Béla Kerecsény and Olga Kádár (Agr. Inst. Sz., Miskolcagyárúr, Hutz.). Ágalkodás is most suitable material to be mixed with superphosphate for granulation, several materials and their mixes, with superphosphate were granulated and tested, both for phosphate solv. and resistance to disintegration. From lab. and field tests it was concluded that when using org. materials for granulation, these have little effect on improved crops. High-tine substances, or others, causing a decrease in the water solv. of superphosphate are not appropriate. For industrial granulation, all addns. not lowering solv. of the superphosphate are acceptable, while for granulation on the farm, chicken manure is recommended with some acidic material added for obtaining sufficient consistency. If the granule size obtained is unsatisfactory, or the granules disintegrate when sown along with the seed, the fertilizer should be spread separately and plowed into the field.

Peter D. Moskovits

2

KOLBAI, Peter

The proposal has already been known. Ujito lap 14 no.16:31
25 Ag '62.

1. Ujito.

KOL'BAKH, V.I.

Method for quantitative determination of sillimanite,
rutile, and pyrite in sillimanite ores. Inv.vys.ucheb.
zav.; geol.i razv. 2 no.11:75-84 N '59.
(MIREA 13:6)

1. Moskovskiy geologorazvedochnyy institut im. S. Ordzhonikidze.
(Buryat A.S.S.R.—Sillimanite)

KOL'BAKH, V.I.

Use of compressed air in core drilling of wells. Razved. i ekh.nedr.
22 no.3:53-54 Mr '56. (MIRA 9:7)
(Bering)

KOL'BAKH, V.I.

Morphological variations in sillimanite from Kyakhta deposits.

Izv. vys. ucheb. zav.; geol. i razv. 3 no.6:64-69 Je '60.

(MIRA 14:7)

1. Moskovskiy geolograzvedochnyy institut imeni S.
Ordzhonikidze.

(Kyakhta region—Sillimanite)

BUTYAGIN, P. Yu.; Prinimal uchastiye KOLBANEV, I. V.

Mechanochemical transformations in macromolecules at 90°K.
Dokl. AN SSSR 148 no. 1:129-131 Ja '63. (MIRA 16:2)

1. Institut khimicheskoy fiziki AN SSSR. Predstavлено akademikom
V.N. Kondrat'yevym.
(Macromolecular compounds) (Radicals (Chemistry)—Spectra)

BUTYAGIN, P.Yu.; DROZDOVSKIY, V.F.; RAZGON, D.R.; KOLBANEV, I.V.

Paramagnetic resonance spectra of free radicals engendered in
the mechanical destruction of polymers. Fiz. tver. tela 7
no.3:941-943 Mr '65. (MIRA 18:4)

1. Institut khimicheskoy fiziki. AN SSSR, Moskva.

BUTYAGIN, P.Yu.; Prinimal uchastiye: KOLBANEV, I.V.

Study of the surface of polymers in the process of dispersion.
Vysokom. soed. 5 no.12:1829-1836 D '63. (MIRA 17:1)

1. Institut khimicheskoy fiziki AN SSSR.

BUTYAGIN, P.Yu.; KOLBANEV, I.V.; RADTSIG, V.A.

Electron paramagnetic resonance spectra of gree radicals in solid
polymer degradation products. Fiz. tver. tela 5 no.8:2257-2260
Ag '63. (MIRA 16:9)

1. Institut khimicheskoy fiziki AN SSSR, Moskva.
(Paramagnetic resonance and relaxation)
(Radicals (Chemistry)--Spectra)
(Polymers)

EPF(c)/EWT(m)/EWP(j)/T — Pe=4/Pr=4 — RPL RM
S/0181/65/007/003/0941/0943

ACCESSION NR: AP5006921

Matin, P. Yu., Drozdovskiy, V. F., Tazan, D. R., i Kolbanov, I. V.

Chemical structure of free radicals produced upon mechanical destruction of vulcanized rubbers. Vulcanized rubbers.

4/3

4/1

25

Khimiya i tekhnika polimerov, v. 7, no. 3, 1965, 941-943

Electron paramagnetic resonance, EPR spectrum, free radical, vulcanized rubber, polymer, chemical bond

The purpose of the experiments was to determine the nature of the chemical bonds which are first broken when vulcanized rubber is acted upon mechanically.

The EPR spectra were measured with the use of a Varian V-4 spectrometer. The apparatus and method of the measurements are described in detail in the following article:

L 45212-65

ACCESSION NR: AP5006921

2

the shape of the spectrum practically independent of the nature of the
ligand containing the metal atom, and the shape of the spectrum
depends only on the nature of the metal atom.

is apparently the result of migration of the metal atom. The primary
break in the bonds occur in the sulfur bridges.

has: 7 figures.

REF ID: Institut khimicheskoy fiziki AN SSSR, Moscow (Institute of Chemical
Physics AN SSSR)

TRANSL

ENCL: 10

SUB CODE: OC, SS

NR REF Sov: 006

OTHER: 001

038
Card 2/2

KOLEVANOVSKAYA, A. S.

"Investigation of the Elastic-Viscous Properties of Rubber Solutions." Thesis for degree of Cand. Chemical Sci. Sub 2 Nov 49, Moscow Order of Lenin State U imeni M.V. Lomonosov.

Summary 82, 18 Dec 52, Dissertations Presented For Degrees in Science and Engineering in Moscow in 1949. From Vechernaya Moskva, Jan-Dec 1949.

Expt. 6C7.

Crude Natural Rubber

175

Basic viscom properties of rubber solutions
A. S. Kurnikowsky and P. A. Kurnikowsky
A.C.T. 1957-1958, 1951-1952, Chem. &
Ind. 44, 9179-9181. A known length cylinder was
vertically suspended by a torsion wire in a rubber
solution in an outer cylinder. The wire was twisted
and the increase of twisting stress, σ , with time
was determined at constant torque. The shear
stress, τ , and tensile stress, σ , are related
to τ (or these more closely and finally to σ) (in
the same manner). Extrapolation of the linear
part to zero time gives σ . The initial shear
stress, σ_0 , for the elasticity modulus, E , the shear
(relative) viscosity along the linear portion, η_s ,
and the viscosity of elastic deformation, η_e , were
made evident at equilibrium, and at torque between
0.1 and 200 dyne/cm² (cm). For the outer
solution, when the shear increased from 0 to 4, 8, 16,
and 32 dyne/cm², the viscosity decreased from 100, 50,
25, and 12.5, respectively. When the concentration
was increased from 3 to 20% (in
a solution of sodium dodecyl sulfate in benzene)
was increased from 6 to 20%, these values increased
from 200, 100, 50, 25, and 12.5, respectively.
The shear σ_0 for 1% (100 dyne/cm²) was determined on con-
centration, being 0.09 for benzene alone and 0.04
for the synthetic rubber. For 10% solutions of the
latter in benzene, σ_0 decreased linearly when tem-
perature T increased from -10 to 50°C, and η_s and η_e decreased according to: $\log \eta_s \propto \frac{1}{T}$ (for
 A_1 , constant); $\log \eta_e$ also decreased, especially
between -10 and 20°C. The decrease in torque
was determined with constant shearing stress.
The system was thermostated in a constant-temperature bath
of a Maxwell and a Kelvin seal. The viscosity of
relaxation calculated for this system from the
known values of σ_0 , η_s , η_e , and η_e agreed with
experimental. Viscosity of 15% solution of sodium
benzene rubber in benzene, determined in a tensile
stress meter, was interpreted as shear
stress at very small elongation: it was equal to the

CA

10

Effect of addition of fillers and surface-active substances on the deformation properties of rubber solutions. A. S. Kudashovaya, P. A. Rebiner, and O. I. Luk'yanova. *Vysokomol. Soedin.* 12, 206-17 (1970); *cf.* preceding abstr. Addn. of more than 4.8 vol.-% of C black (I) (particle size 0.02-0.06 μ), or > 6.7 vol.-% of SiO₂ (II) (particle size 2.4 μ), or > 8.8 vol.-% of ZnO (III) (6.0 μ) to a 10% soln. of Na-butadiene rubber in xylene gave a yield value P_0 . The magnitude of P_0 was detd. more exactly by finding the value which makes the expression: $(P_0/P_0)_0 \cdot (d\sigma/dl) \approx \text{const.}$ It was, e.g., 45 dynes per sq. cm. for N_2 ; I. Smaller addns. of fillers increased E_1 , E_2 , η_1 , and η_2 but little, but this increase became steep at filler concns. > 8% I, > 7% II, or > 8% III; at these concns. structure appears in the systems. The strengthening effect increased in order III-II-I; e.g., at 8% addn., E_1 was 17,000, 6000, and 1000 for I, II, and III, resp. Stearic acid (IV) activated III, e.g., E_1 and E_2 of the system constg. 3.2%; III was raised from 1000, resp., 44 to 2491, resp., 100 by addn. of 3 wt.-% of IV. Further addn. of IV did not intensify its effect. In the absence of fillers, 0.1% IV depressed, and 1% IV had no effect on η_1 . E_1 , E_2 , and η_1 were scarcely affected by IV. Sebatic acid acted similarly to and more intensely than IV. BuNH₂ lowered η_1 and E_1 . Arobenzene greatly increased E_1 , E_2 , and η_1 . Arobenzene slightly increased E_1 and η_1 . L. I. Bilevman

USSR/Colloid Chemistry. Dispersion Systems

B-14

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26423

Author : A.S. Kolbanovskaya

Title : Application of Luminescent Microscopy and Radioactive Isotopes to Determination of Degree of Surface Covering of Mineral Particles of Bitumina.

Orig Pub : Kolloid. zh., 1956, 18, No 5, 547-554

Abstract : Methods of study of the distribution of bitumen (I) on the surface of particles of hydrophobic ashes used for heat insulation and water-proofing were developed. I possesses the capacity to fluoresce with a greenish-yellow light, and the ashes remain black under ultraviolet and short blue rays. Scrutinizing the preparations with a luminescent microscope, it is possible to see luminescent sections corresponding to the particle surface covered with I. The fact that when Sr⁸⁹ is sorbed from the aqueous solution of Sr(NO₃)₂, it is adsorbed only on the free surface, is used for the quantitative determination of the particle surface part covered with the film of I. If Sr⁸⁹ was adsorbed preliminarily and the ashes

Card : 1/2

AU Sci Res Construction Inst, Moscow

USSR/Colloid Chemistry. Dispersion Systems

B-14

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26423

were treated later with a solution of I and put into aqueous solution of HNO_3 of pH = 3 to 5, then the desorption of Sr^{89} will take place only from the free surface, and it will be possible to determine the degree of covering by studying the desorption kinetics. It is shown that I covers corners and edges of ash particle first. The surface part covered by I increases with the increase of the amount of the solution taken for the hydrophobization. The treatment with an I solution in green oil is more efficient than with an I solution in kerosene. The introduction into the solution of superficially active additions - acidol and oleic acid results in an increase of the degree, to which the particles are covered.

Card : 2/2

KOLBANOVSKAYA, A.S., kand. khim. nauk

Selecting surface activating aggregates improving the adhesion of
bitumen to mineral materials. Avt. dor. 21 no. 7:14-15 Jl '58.
(MIRA 11:8)

(Pavements, Bituminous)

KOLBANOVSKAYA, A.S., kand. khim. nauk; KHANINA, TS. O., inzh; DAVYDOVA, A.R.,
inzh.

Investigating surface-active additives and their effect on
characteristics of asphalt and asphalt concrete. Avt.dor. 21
no.9:7-9 8 '58. (MIRA 11:11)

(Road materials--Testing)

KOLBANOVSKAYA, Ada Solomonovna; GORELYSHOV, Nikolay Vasil'yevich;
KHANINA, T.S.G., red.; YEVLEVA, T.A., red.izd-va; DONSKAYA,
G.D., tekhn.red.

[Differential porosity of bituminous mineral materials] Diffe-
rential'naya porostost' bitumominal'nykh materialov. Moskva,
Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh
dorog RSWSh, 1959. 27 p.
(Bituminous materials)

KOLBANOVSKAYA, A.S.; DAVIDOVA, A.R.

Surface-active substances added to bituminous mineral blends
improve their quality and add to their life. Avt.dor. 22
no.11:15-16 N '59. (MIRA 13:2)
(Bituminous materials)

MIKHAYLOV, V.; KOLBANOVAKAYA, A.

Improving the quality of bitumens. Avt.dor. 23 no.6:
21-22 Je '60. (MIRA 13:6)
(Bitumen)

MIKHAYLOV, V.V.; KOLBANOVSKAYA, A.S.; KHANINA, TS.G.

New surface-active materials. Avt. dor. 24 no. 1:21-24 Ja '61.
(MIRA 14:2)

(Road materials) (Pavements, Bituminous)
(Surface-active agents)

GORILOVSKY, N.V., kand.tekhn.nauk; LYUBIMOVA, T.Yu., kand.khim.nauk;
KOLBANOVSKAYA, A.S., kand.khim.nauk; IVANOV, P.M., kand.tekhn.
nauk; KALININ, I.M., kand.tekhn.nauk; AGAPOVA, R.A., inzh.;
TIMOFEEVA, L.D., inzh.; YAKOVLEVNA, A.I., red.; KOVRIZHNIKH,
L.P., red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Physicochemical methods of characterising the properties and
structure of road and building materials] Fiziko-khimicheskie
metody kharakteristiki svoistv i struktury dorozhno-stroitel'-
nykh materialov. Moskva, Nauchno-tekhn.izd-vo M-va avtomo-
bil'nogo transp. i shosseinykh dorog RSFSR, 1961. 91 p.
(MIRA 14:12)

(Road materials--Testing)
(Building materials--Testing)

MIKHAYLOV, V.V.; KOLBANOVSKAYA, A.S.

New demands made on road bitumens. Avt,dor. 24 no.5:24-26 My
'61. (MIRA 14:6)
(Bituminous materials)

KOLBANOVSKAYA, A.S.; GOLOVKINA, O.K.

Chemical composition and properties of road petroleum asphalts.
Khim. i tekhn. topl. i masel 7 no.2:31-36 F '62. (MIRA 15:1)

1. Gosudarstvennyy vsesoyuznyy dorozhno-issledovatel'skiy
institut.
(Petroleum products) (Road materials)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723720009-1

DAVYDOVA, A.R.; KOLBANOVSKAYA, A.S.

Effect of surface-active substances on the thermomechanical
properties of bitumens. Avt. dor. 24 no.7:11-12 Jl '61.

(MIRA 14:7)

(Bitumen) (Surface-active agents)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723720009-1"

S/081/62/000/003/060/090
B149/B102

AUTHORS: Mikhaylov, V. V., Kolbanovskaya, A. S., Khanina, Ts. G.

TITLE: New surface-active substances

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1962, 394, abstract
3K376 (Avtomob. dorogi, no. 1, 1961, 21-24)

TEXT: Results are given of the studies of influences of 38 varieties of
the surface-active substances - anion-active (organic acids, Pb, Ca and Fe
salts of organic acids), cation-active (technical resins, tetra-substituted
salts of ammonia, fatty amines, non-ionogenics) - on properties of
bitumenous-concrete. [Abstracter's note: Complete translation.]

Card 1/1

KOLBANOVSKAYA, A.S.; MIKHAYLOV, V.V.; Prinimali uchastiye: YEFIMOVA, L.I.;
DAVYDOVA, A.R.; GOLOVKINA, O.K.; BUGAYEVA, G.N.

Structural and mechanical properties of bitumens from various
sources. Part 1: Viscosity, thermal and mechanical properties of
road bitumens of various chemical compositions. Koll.zhur. 23
no.6:718-725 N-D '61. (MIRA 14:12)

1. Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut, Moskva.
(Bitumen)

KOLBANOVSKAYA, A.S.

Properties of bitumen in thin layers as effected by the nature
of the underlying stone surface. Dokl. AN SSSR 143 no.5:1159-
1162 Ap. '62. (MIRA 15:4)

1. Gosudarstvennyy vsesoyuznyy dorchenny nauchno-issledovatel'skiy
institut. Predstavлено akademikom P.A.Rebinderom.
(Bitumen)

KOLBANOVSKAYA, A.S., kand.khimicheskikh nizuk; YEFIMOVA, L.I., inzh.

Effect of the nature of bitumen and the surface of rock materials
on the properties of bitumen in thin layers. Avt.dor. 25
no.7:15-17 J1 '62. (MIRA 15:8)
(Pavements, Bituminous—Testing)

KOLBANOVSKAYA, A.S.; MIKHAYLOV, V.V.; GEZENTSVEY, L.B.

Structural and mechanical properties of bitumens of various origin. Part 2. Koll. zhur. 25 no.3:321-328 My-Je '63.

(MIRA 17:10)

1. Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy institut.

KOLBANOVSKAYA, A.S., MIKHAYLOV, V.V.; SOTNIKOVA, V.N.

Rheological conditions of bitumens for road construction. Avt. dor. 26
no.2:16-18 F '63. (MIRA 16:4)
(Bituminous materials—Testing)

KOLEBANOVSKAYA, A.S.; DAVIDOVA, A.R.; DAVYDOVA, K.I.

Aging mechanism of bitumens of various structures. Dokl. AN
SSSR 165 no.2:376-379 N '65. (MIRA 18:11)

1. Gosudarstvennyy vsesoyuznyy derzhnyy nauchno-issledo-
vatel'skiy institut. Submitted April 15, 1965.

KOLBANOVSKAYA, A.S.; SABSAY, O.Yu.; Prinimali uchastiye: DAVYDOVA, A.R.;
DAVYDOVA, K.I.

Structure formation of road bitumens. Dokl. AN SSSR 165
no.4:882-885 D '65. (MIRA 18:12)

1. Submitted April 15, 1965.

KOLBANOVSKIY, D.S.

On the absorption of radioiodine I^{131} by mucosa of the bladder.
Urologiia 24 no.5:18-19 8-0 '59. (MIRA 12:12)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. A.G. Karavanov)
i urologicheskogo otdeleniya (zav. - zasluzhennyj vrach RSFSR M.P.
Voskresenkiy) Kalininskoy oblastnoy klinicheskoy bol'nitsy.
(BLADDER physiol)
(IODINE radioactive)

EXCERPTA MEDICA Sec 17 Vol 5/3 Public Health Mar 59

828. MEDICAL OBSERVATIONS ON CYCLISTS DURING TRAINING FOR A
LONG-DISTANCE RACE (Russian text) - Kolbanovskiy E. Ya. - TEORIYA
I PRAKTIKA FIZ. KULT. 1958, 19 (788-771)

Observations were carried out on a group of cyclists training for a long-distance race; the state of the cardiovascular system, respiratory activity, nervous system and gastro-intestinal tract was studied. Following training the cyclists showed lowering of systolic arterial blood pressure and increase of diastolic pressure (most frequently the next day after a period of training) which should be taken into account by doctors. Medical observations during the period of training and of rehabilitation are important for the planning of cyclists' training. (S)

KOLBANOVSKIY, V. N.

27335. KOLBANOVSKIY, V. N. - *Velikiy russkiy uchenyy. Sem'ya i shkola, 1949,*
No. 9, S. 4-7.

SO: *Ietopis' Zhurnal'nykh Statey, Vol. 36, 1949*

KOLBANOVSKIY, V.N.

Personality as an object of study in psychology. Vop.psichol.2 no.3:
16-29 My-Je '56. (MIRA 9:9)

1.Institut psichologii Akademii pedagogicheskikh nauk RSFSR, Moskva.
(Personality)

KOLBANOVSKIY, V.N.

L.S. Vygotskii's psychological views. Vop.psichol. 2 no. 5104-113
S-0 '56. (MERA 10:1)

1. Institut psichologii Akademii pedagogicheskikh nauk RSFSR, Moskva.
(Vygotskii, Lev Semenovich, 1896-1934)

KOLBANOVSKIY, V.

Training of children is a national task. Sov.profsoiuzy 4 no.6;
14-20 Je '56. (MLRA 9:8)
(Children--Management)